

Mid-Chapter 7 Review

Which fractions are in simplest form? Select all that apply.

$$\frac{3}{15}$$

$$\frac{9}{16}$$

$$\frac{4}{25}$$

$$\frac{18}{60}$$

$$\frac{14}{49}$$

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Which fractions can be simplified? Select all that apply.

$$\frac{5}{17}$$

$$\frac{7}{21}$$

$$\frac{2}{15}$$

$$\frac{24}{36}$$

$$\frac{11}{132}$$

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Rename each fraction as an equivalent fraction in simplest form.

$$1.) \frac{4 \div 4}{16 \div 4} = \boxed{\frac{1}{4}}$$

GCF: 4

$$2.) \frac{20 \div 10}{70 \div 10} = \boxed{\frac{2}{7}}$$

GCF: 10

$$3.) \frac{15 \div 5}{25 \div 5} = \boxed{\frac{3}{5}}$$

GCF: 5

$$4.) \frac{36 \div 6}{42 \div 6} = \boxed{\frac{6}{7}}$$

GCF: 6

Mid-Chapter 7 Review denominator | numerator

Write each fraction or mixed number as a decimal.

$$5.) \boxed{5} \frac{3}{4} = \boxed{5.75}$$

$$\begin{array}{r} 4 \overline{) 3.00} \\ \underline{-28} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

$$6.) \frac{2}{9} = \boxed{0.\overline{2}}$$

$$\begin{array}{r} 9 \overline{) 2.00} \\ \underline{-18} \\ 20 \\ \underline{-18} \\ 20 \\ \underline{-18} \\ 2 \end{array} \dots$$

$$7.) \boxed{12} \frac{5}{6} = \boxed{12.\overline{83}}$$

$$\begin{array}{r} 6 \overline{) 5.000} \\ \underline{-48} \\ 20 \\ \underline{-18} \\ 20 \\ \underline{-18} \\ 20 \\ \underline{-18} \\ 2 \end{array} \dots$$

$$8.) \frac{3}{40} = \boxed{0.075}$$

$$\begin{array}{r} 40 \overline{) 3.000} \\ \underline{-280} \\ 200 \\ \underline{-200} \\ 0 \end{array}$$

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Write each decimal as a fraction or mixed number in simplest form.

9.) 11.5 $11\frac{1}{2}$

$$\frac{5 \div 5}{10 \div 5} = \frac{1}{2}$$

10.) 0.68

$$\frac{68 \div 2}{100 \div 2} = \frac{34 \div 2}{50 \div 2} = \frac{17}{25}$$

11.) 5.26

$$\frac{26 \div 2}{100 \div 2} = \frac{13}{50}$$

$$5\frac{13}{50}$$

12.) 0.49

$$\frac{49}{100}$$